

# Mouse sRANKL Recombinant Protein



RPPB0915

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## Product Information    Protein Information

**Product SKU:**

RPPB0915

**Accession:**

O35235

**Host:**

Escherichia Coli.

**Protein description:**

sRANKL Mouse Recombinant produced in E.coli is single, non-glycosylated, polypeptide chain containing 160 amino acids (158-316 a.a.) and having a total molecular mass of 17.9kDa. CD254 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Soluble Receptor Activator of NFkB Ligand, TNFSF11, TRANCE, TNF-related activation-induced cytokine, OPGL, ODF, Osteoclast differentiation factor, Tumor necrosis factor ligand superfamily member 11, Receptor activator of nuclear factor kappa B ligand, RANKL, Osteoprotegerin ligand, CD254 antigen, sRANKL, sOdf.

**Formulation:**

The sRANKL Mouse was lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.0, 200mM NaCl and 0.1mM EDTA.

**Purity:**

Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized sRANKL in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized TNFSF11 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution sRANKL should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

MKPEAQPF<sub>1</sub>AH LTINAASIPS GSHKVTLS<sub>1</sub>SW YHDRGWAKIS NMTLSNGKLR VNQDGFYLY ANICFRHHET  
SGSVPTDYLQ LMVYVVKTSI KIPSSHNL<sub>1</sub>MK GGSTKNWSGN SEHFY<sub>1</sub>SINV GGFFKLRAGE EISIQVSNPS  
LLDPDQDATY FGAFKVQDID.

**Biological Activity:**

The ED<sub>50</sub> as determined by its ability to induce osteoclast differentiation of murine RAW 264.7 cells is less than 2 ng/ml, corresponding to a specific activity of > 5.0 × 10<sup>5</sup> IU/mg.